

31088540 090402
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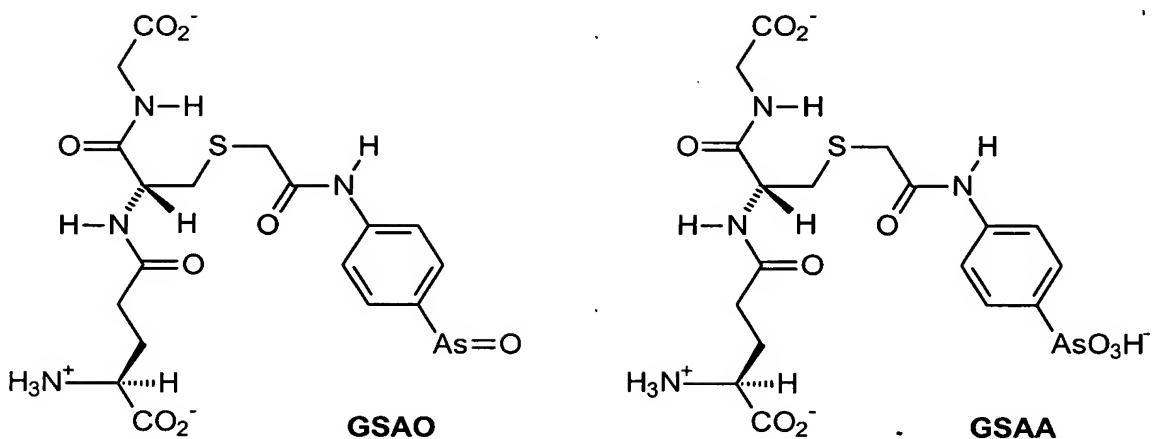


FIGURE 1

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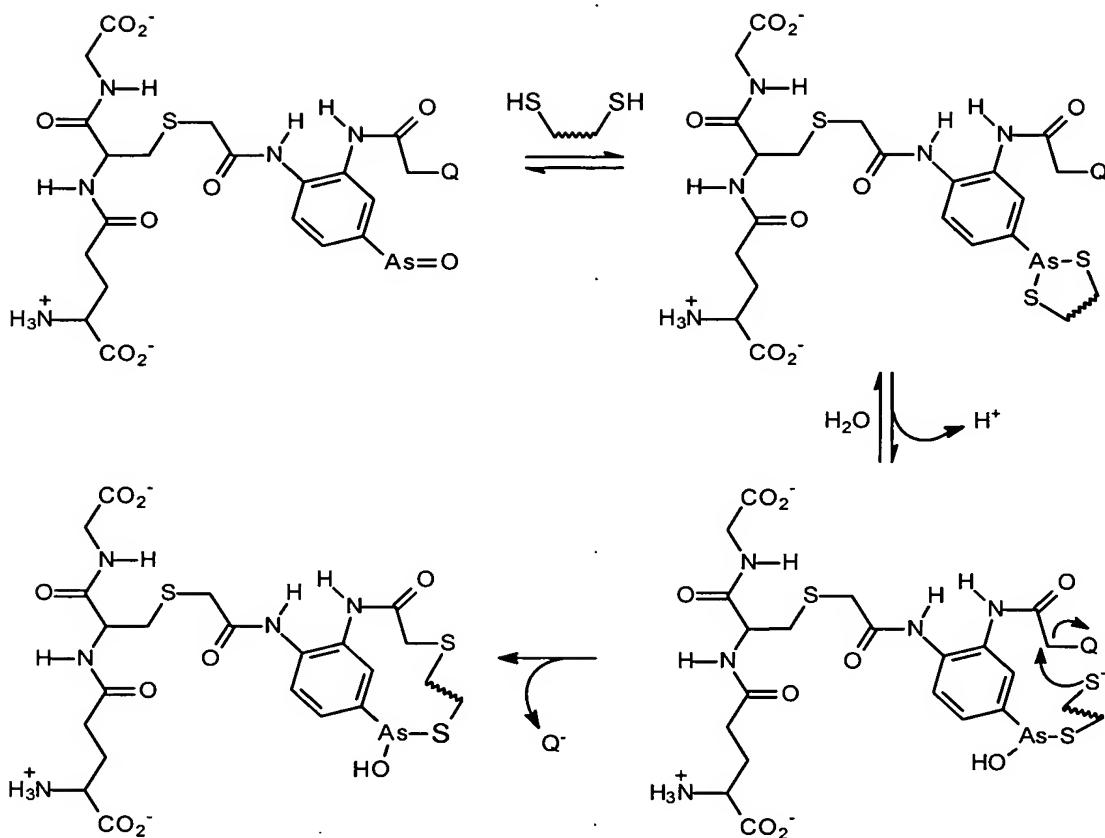


FIGURE 2

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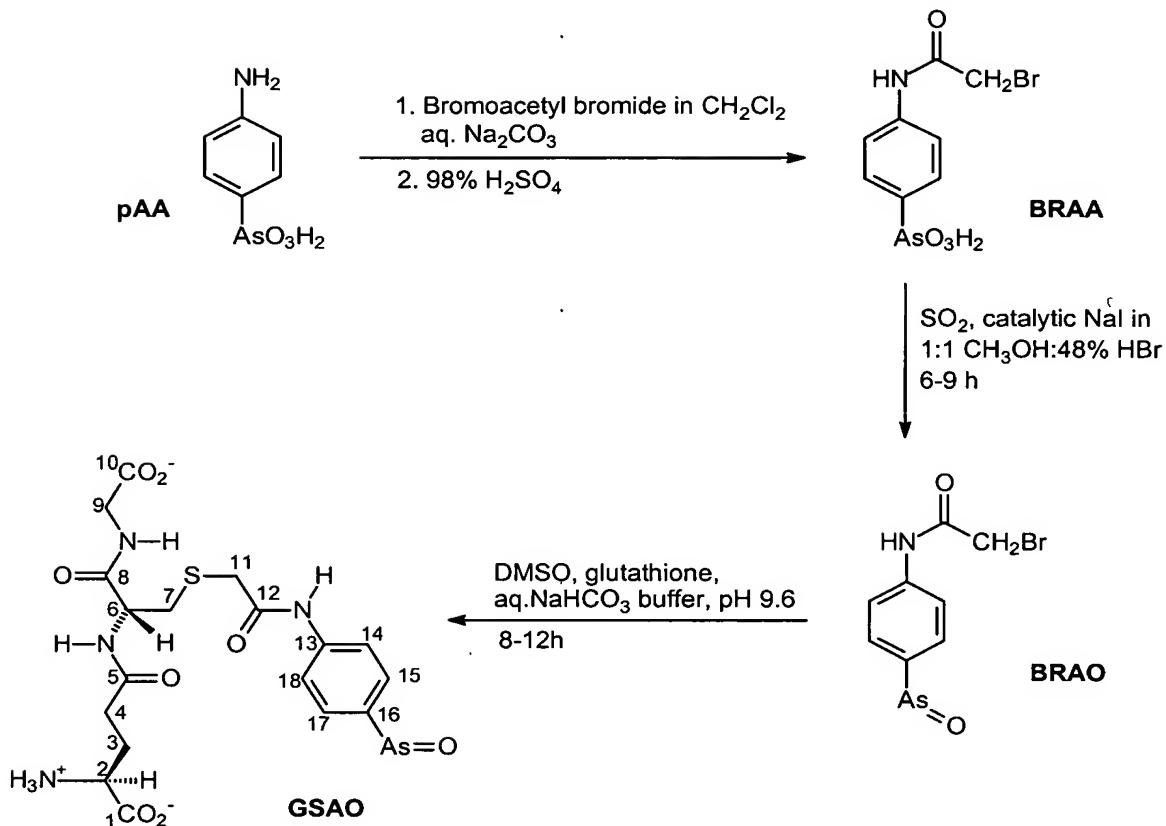


FIGURE 3

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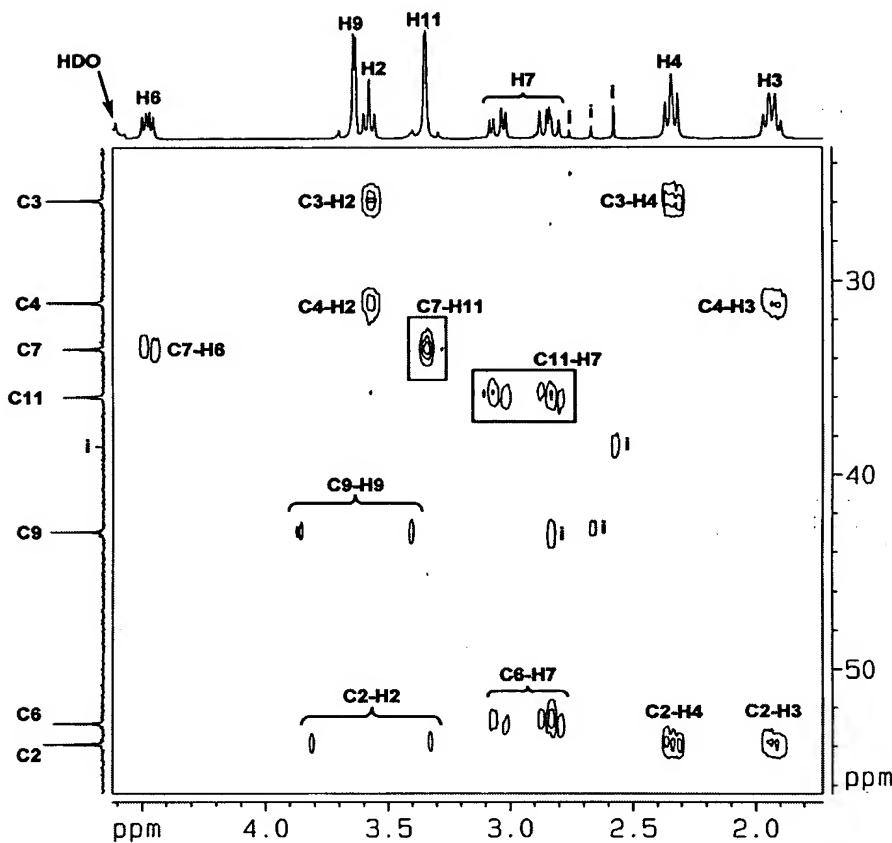


FIGURE 4

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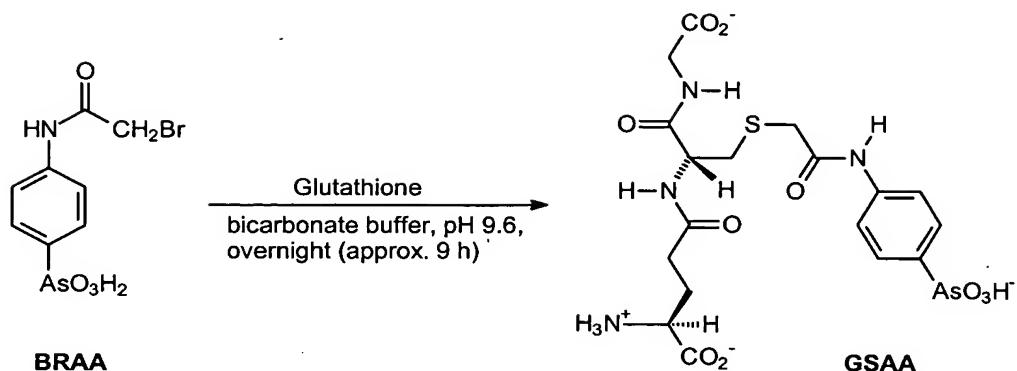
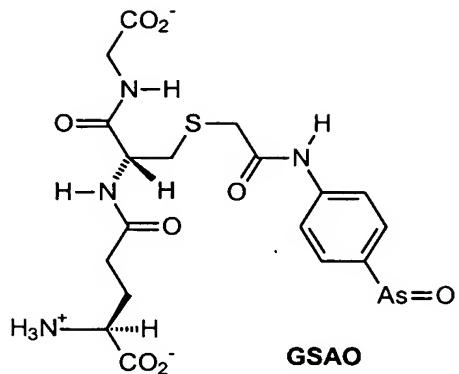


FIGURE 5

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1. Biotin-XX, succinimidyl ester in DMSO,
aq. NaHCO₃ buffer, pH 9.6 (60 to 90 mins);
2. 100mM glycine in PBS buffer, pH 7.3
(4 to 9 hours)

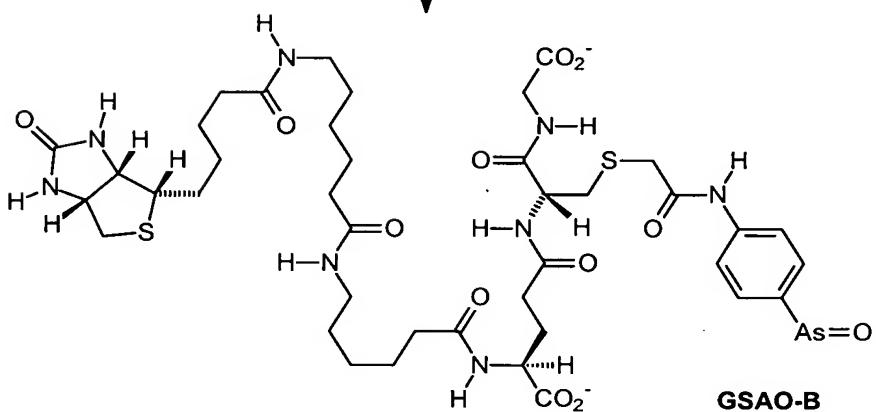
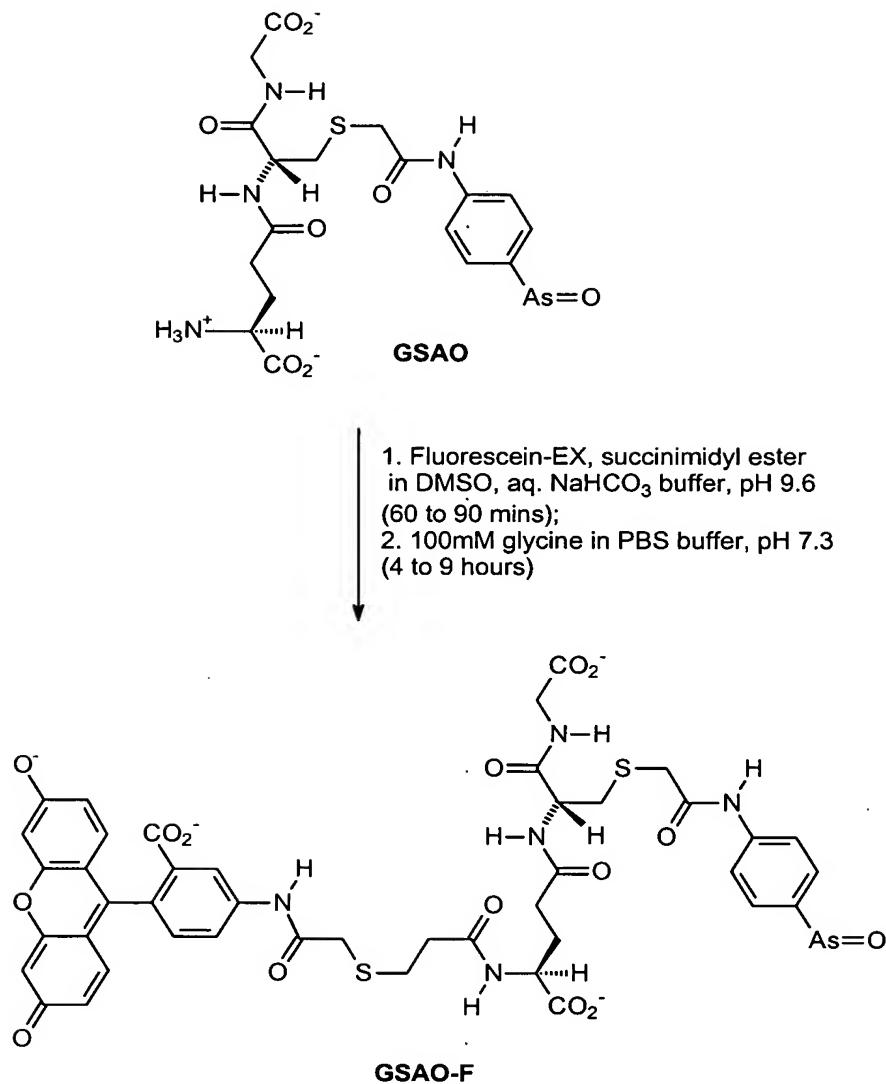
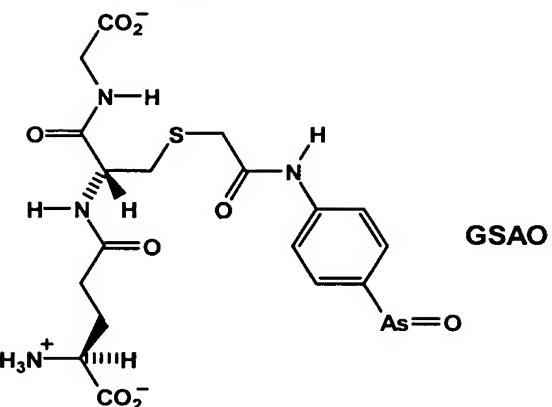


FIGURE 6

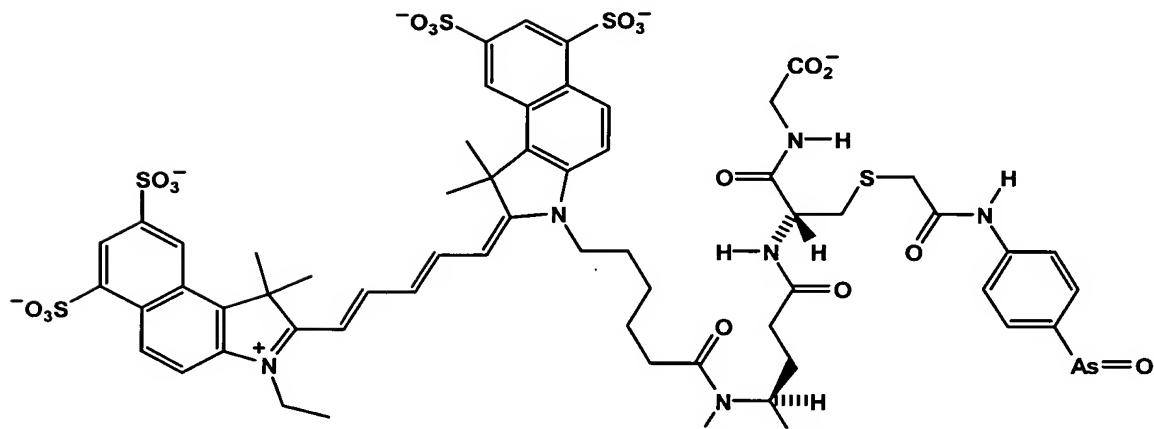
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**FIGURE 7**

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1. Cy™ 5.5, succinimidyl ester in bicarbonate buffer, pH 9 (60 to 90 mins);
2. 100 mM glycine in PBS buffer, pH 7.3 (4 to 9 hours)

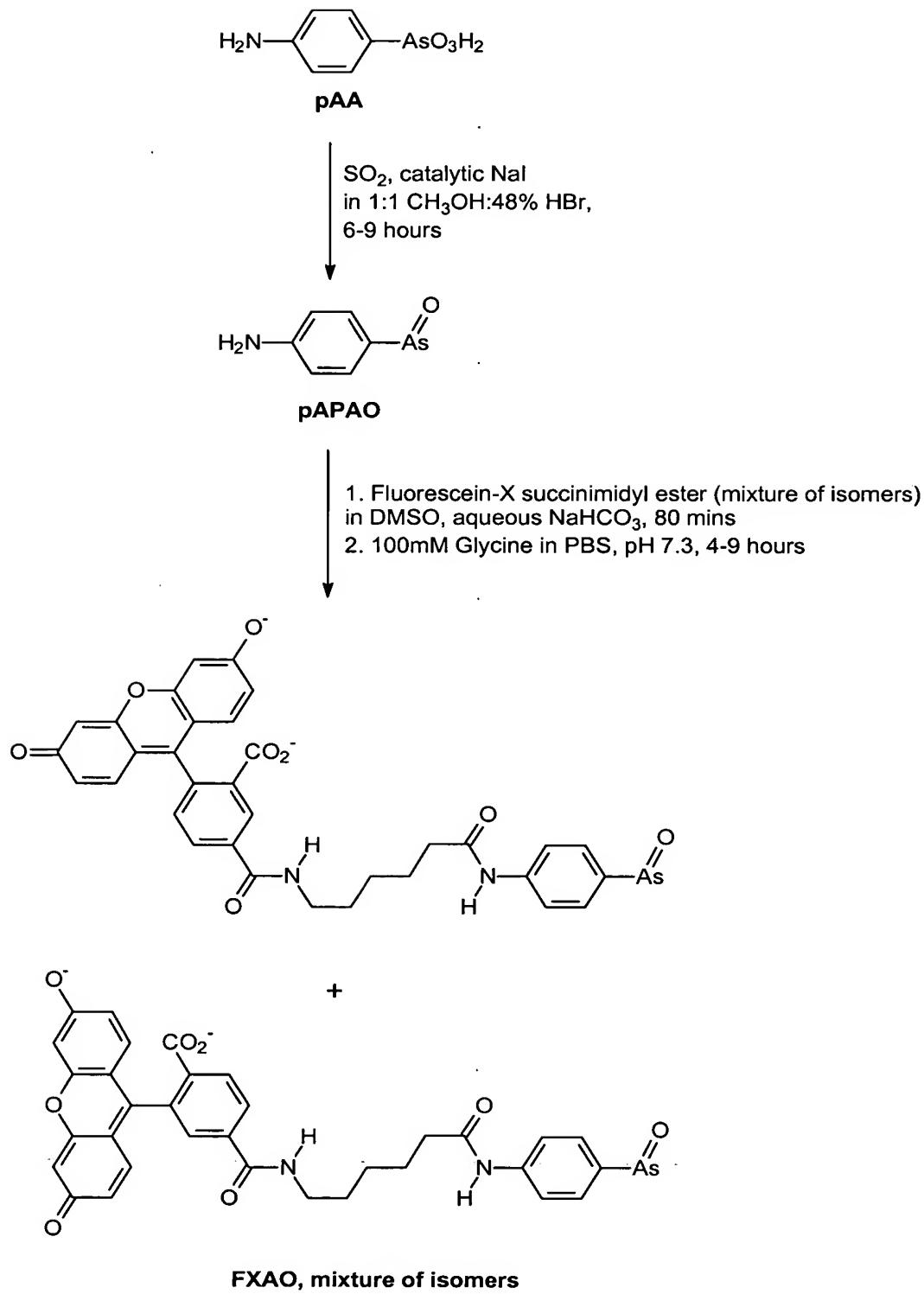


GSAO-Cy5.5

FIGURE 8

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**FIGURE 9**

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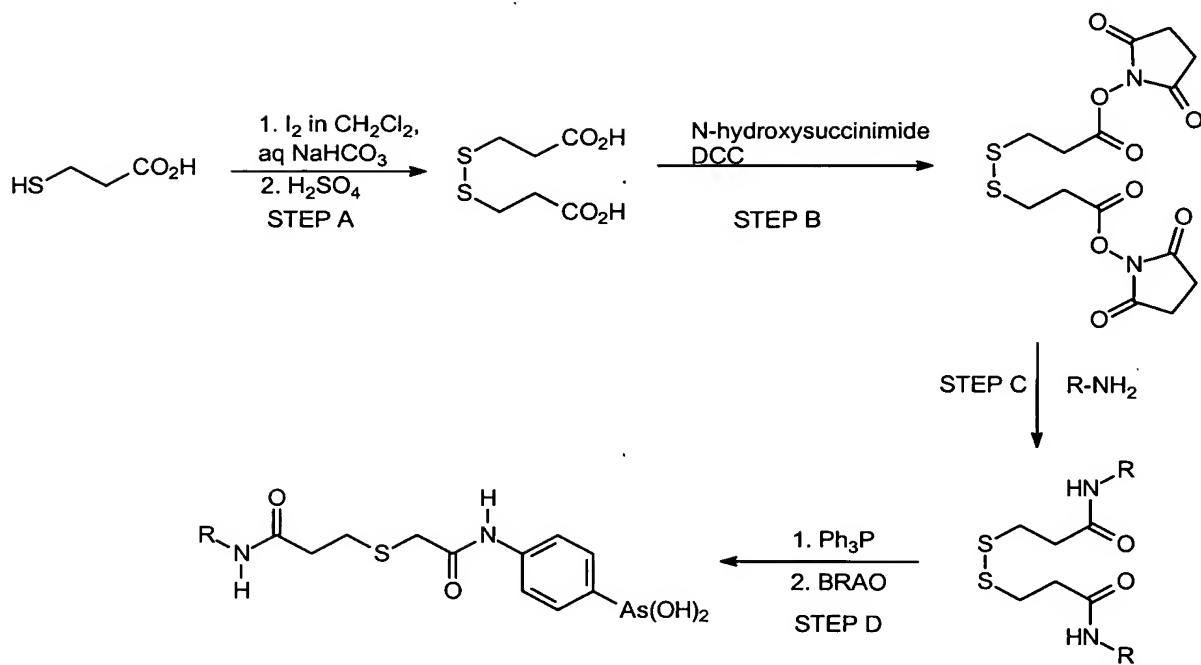


FIGURE 10

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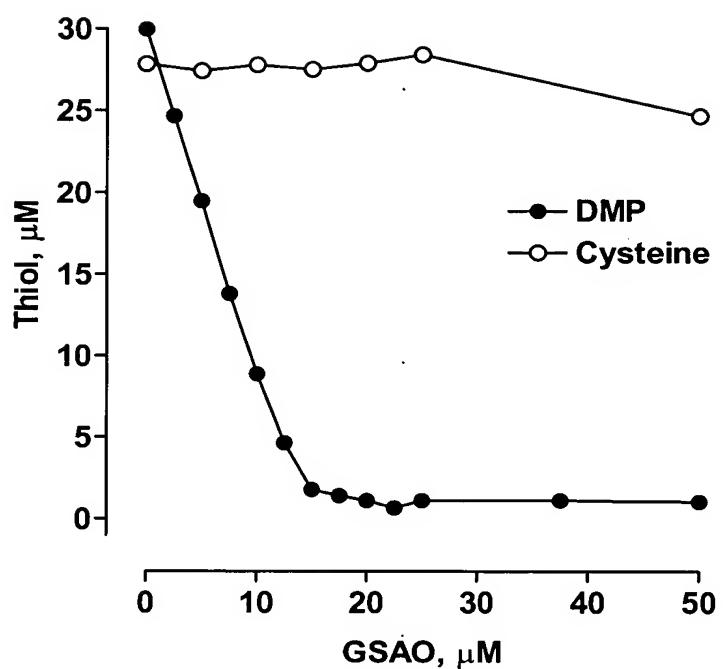


FIGURE 11

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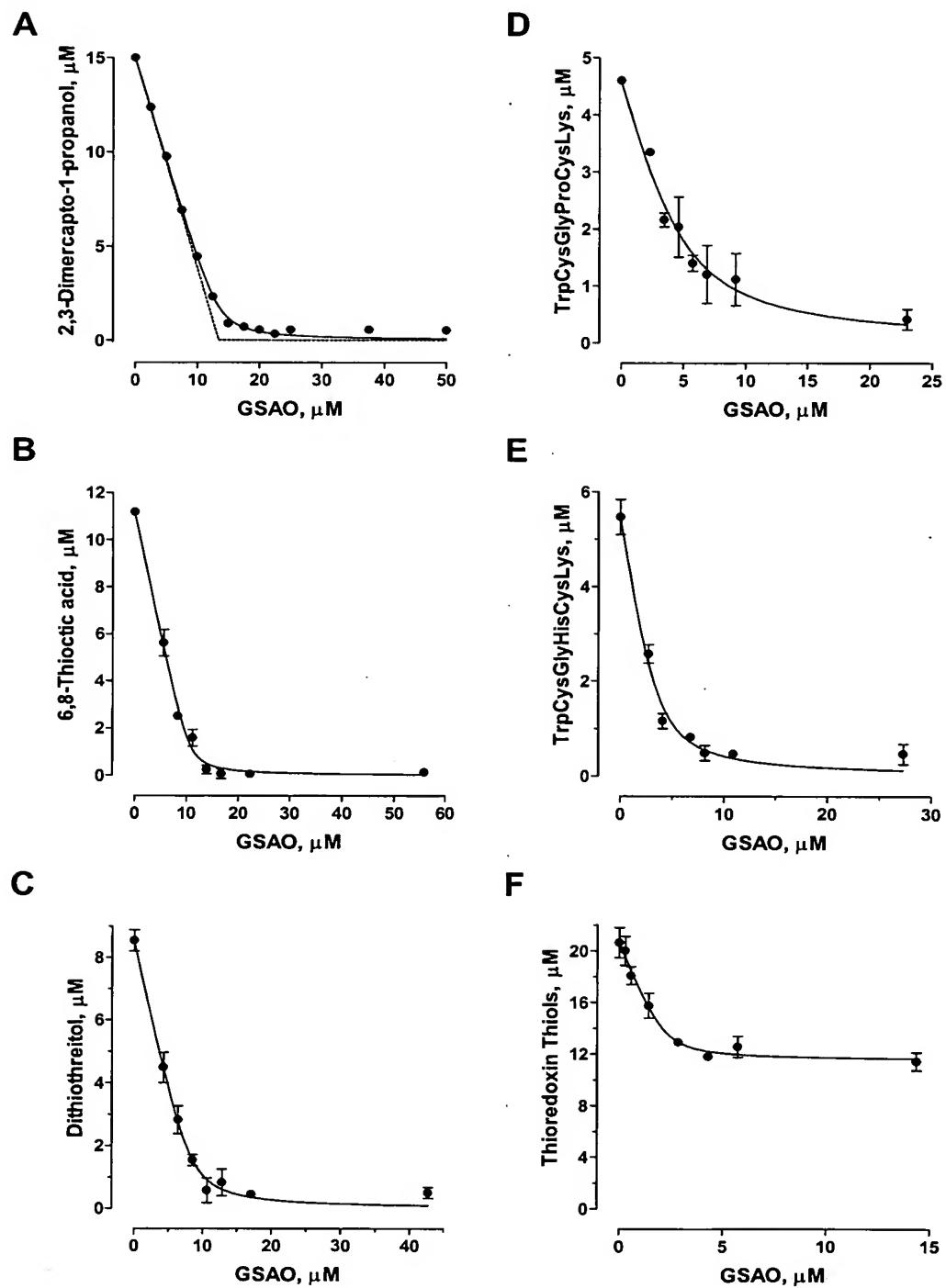


FIGURE 12

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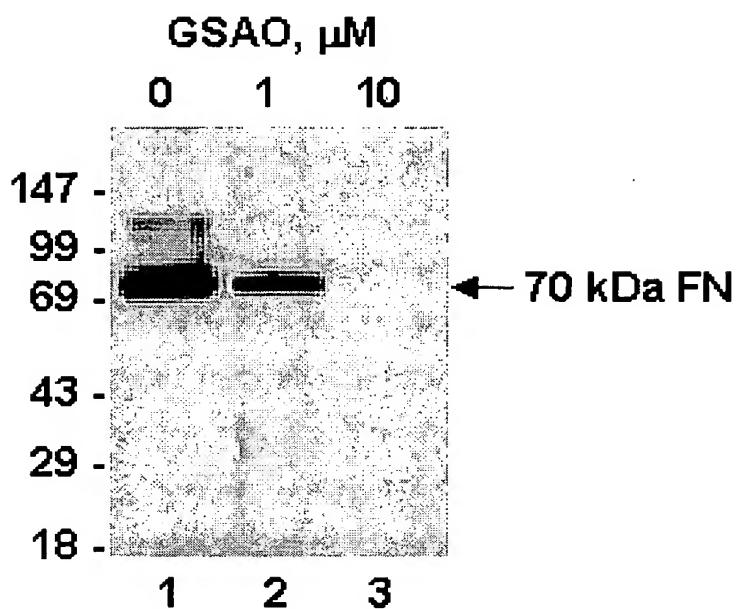


FIGURE 13

1. 100% 15 14.0% 100% 4.0% 20

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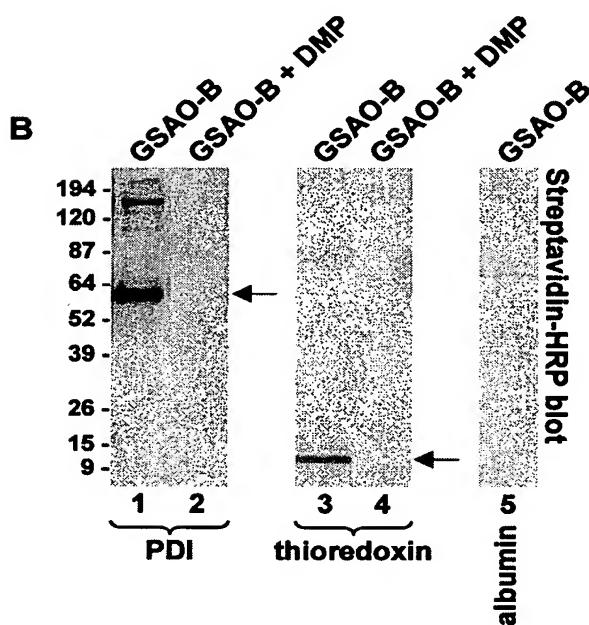
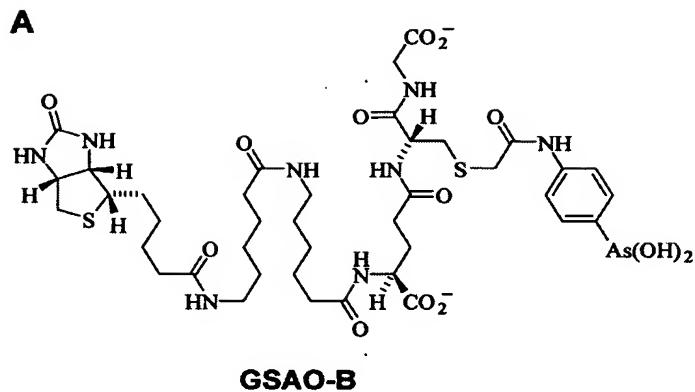


FIGURE 14

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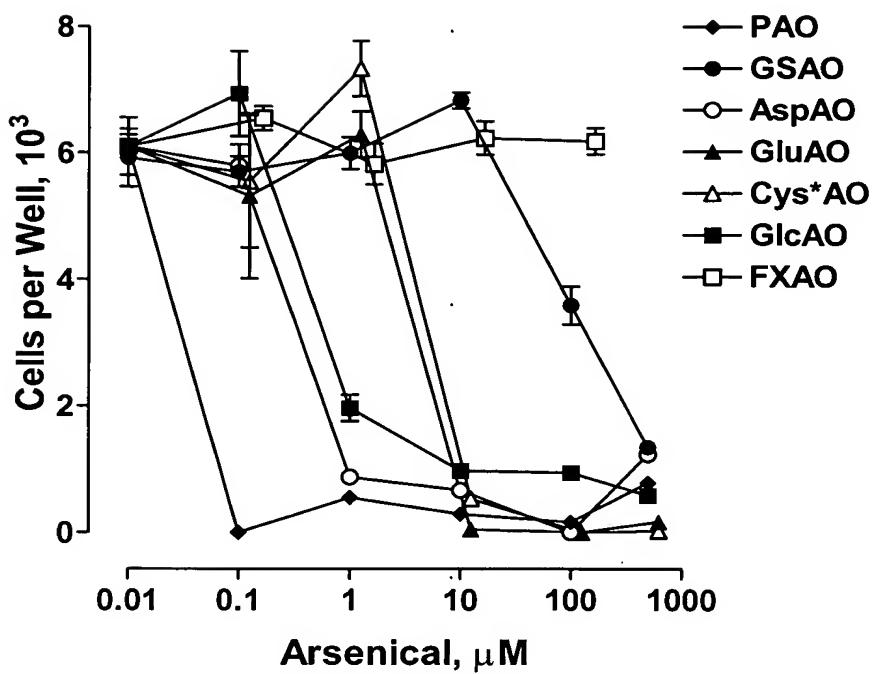


FIGURE 15

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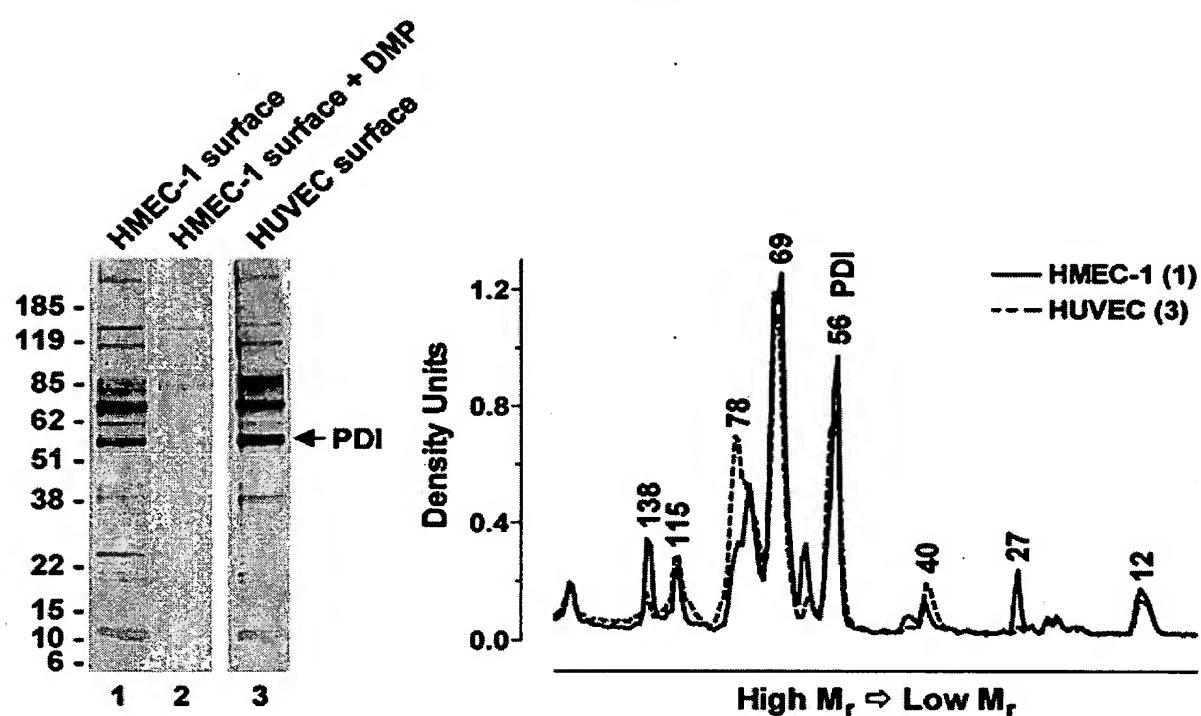


FIGURE 16

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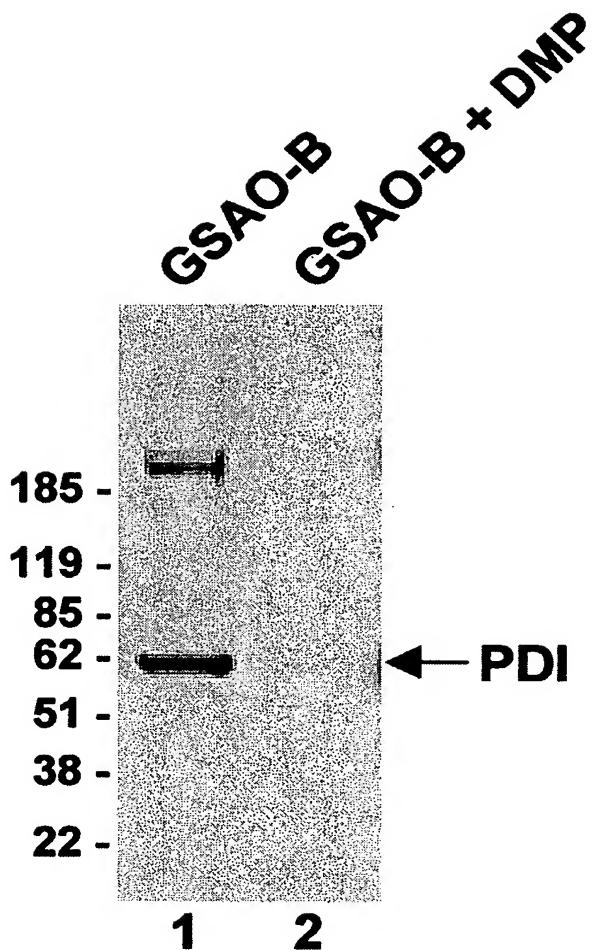
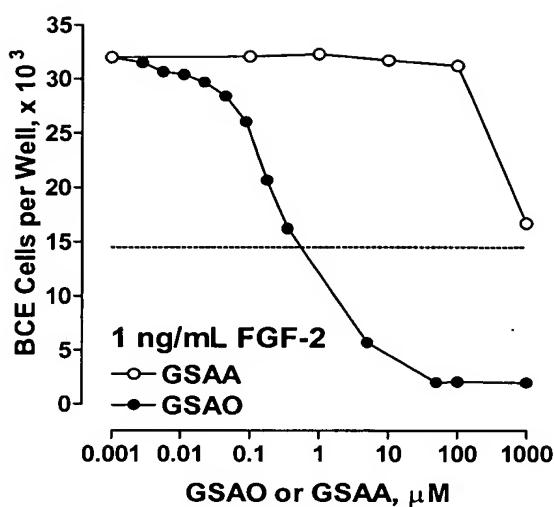
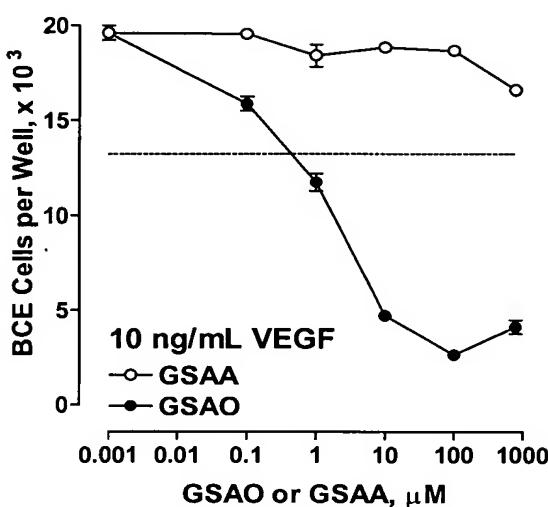
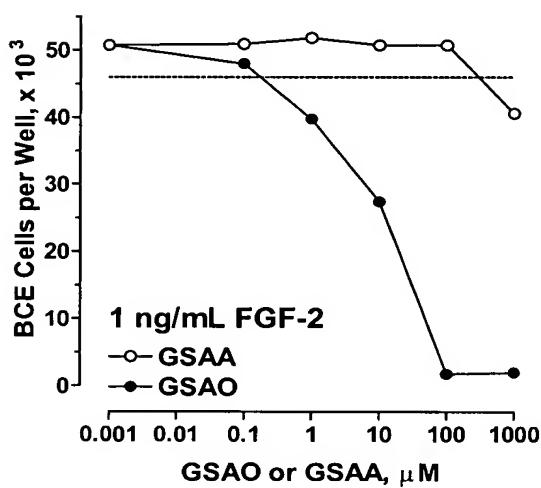
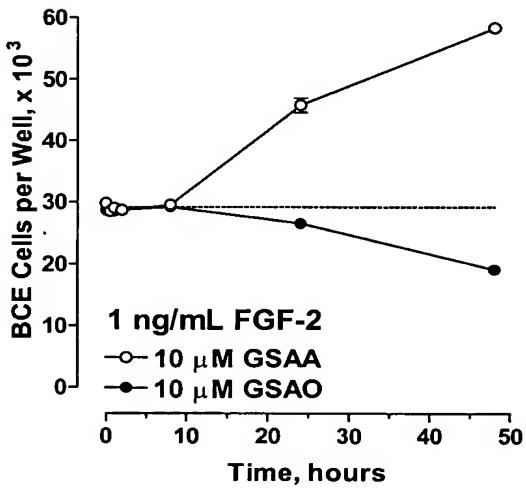


FIGURE 17

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A**B****C****D****FIGURE 18**

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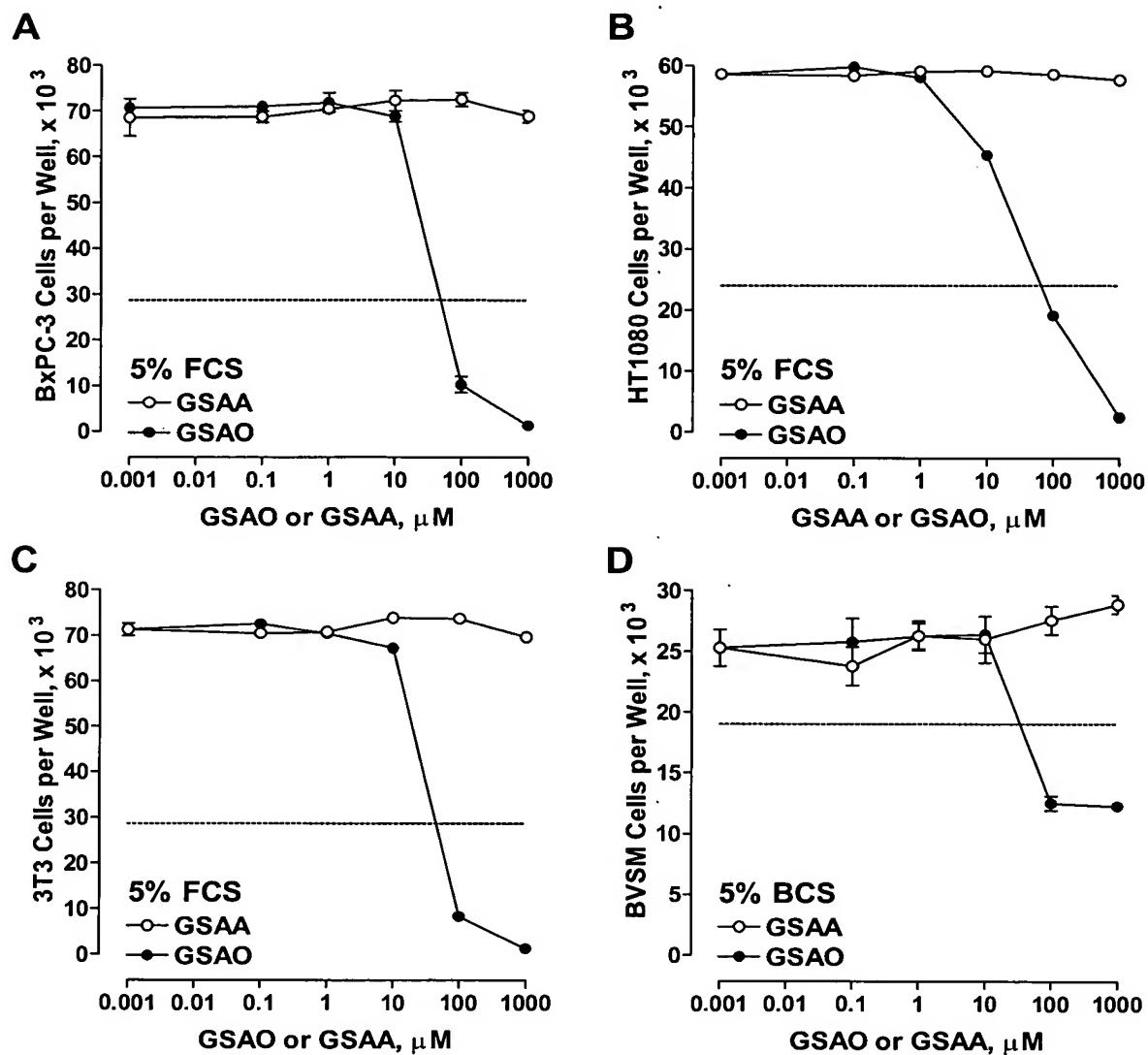


FIGURE 19

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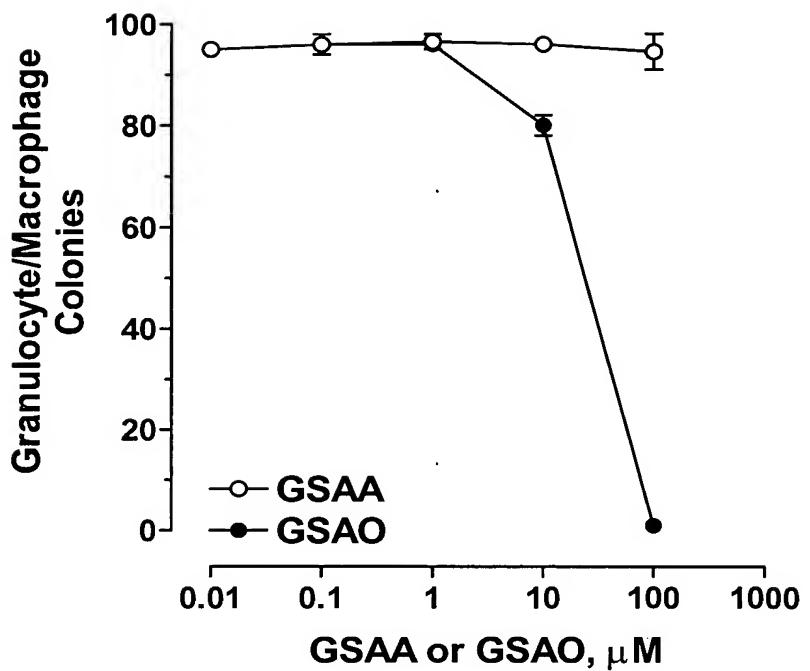


FIGURE 20

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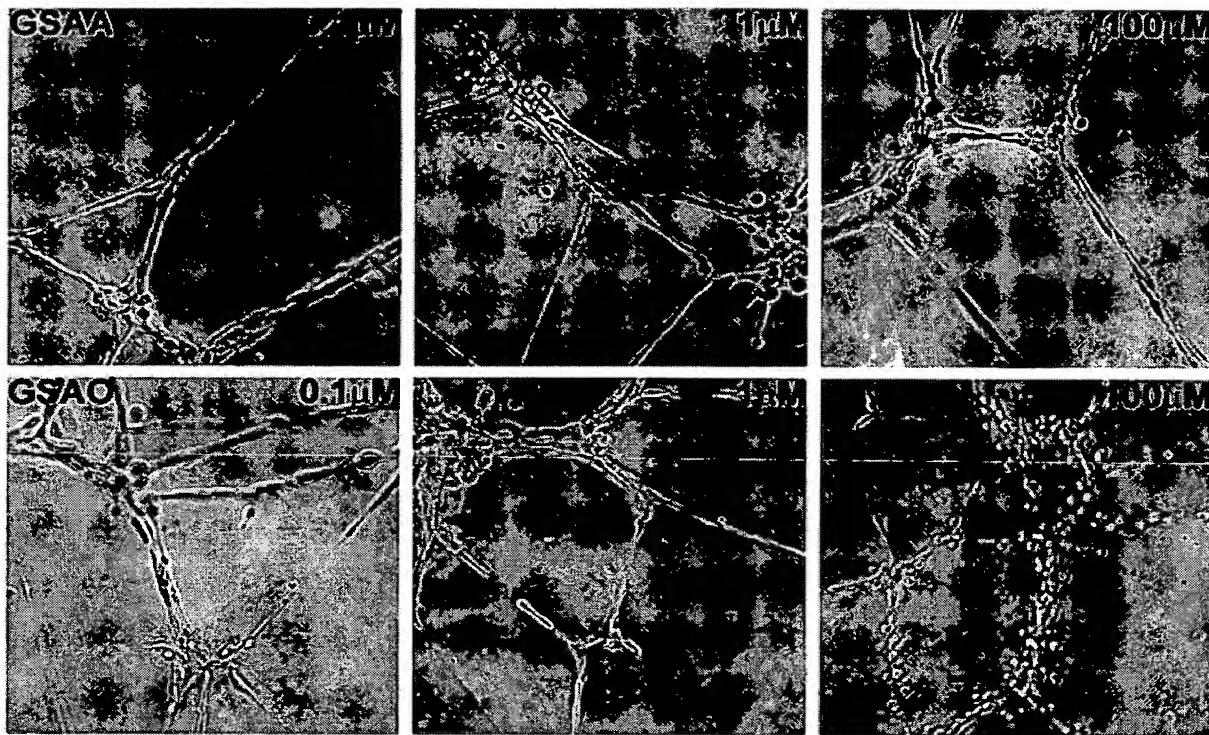


FIGURE 21

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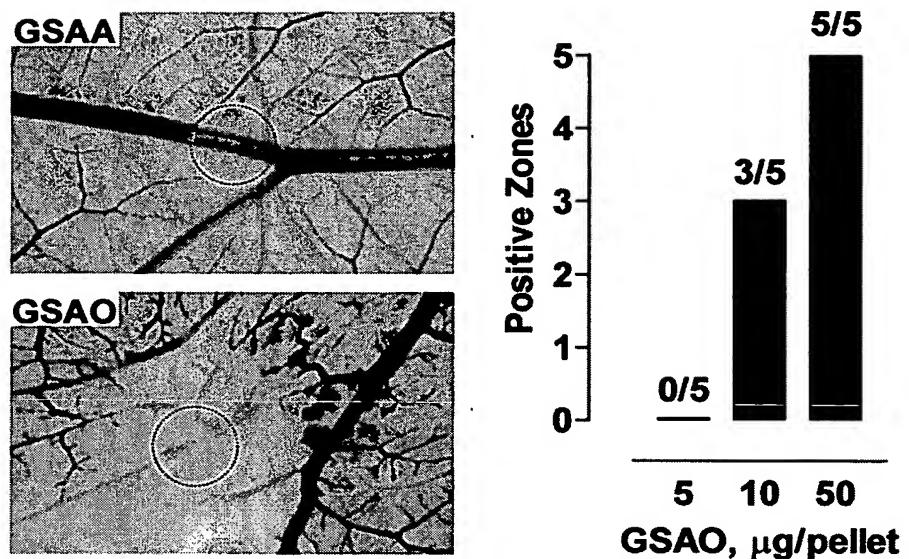


FIGURE 22

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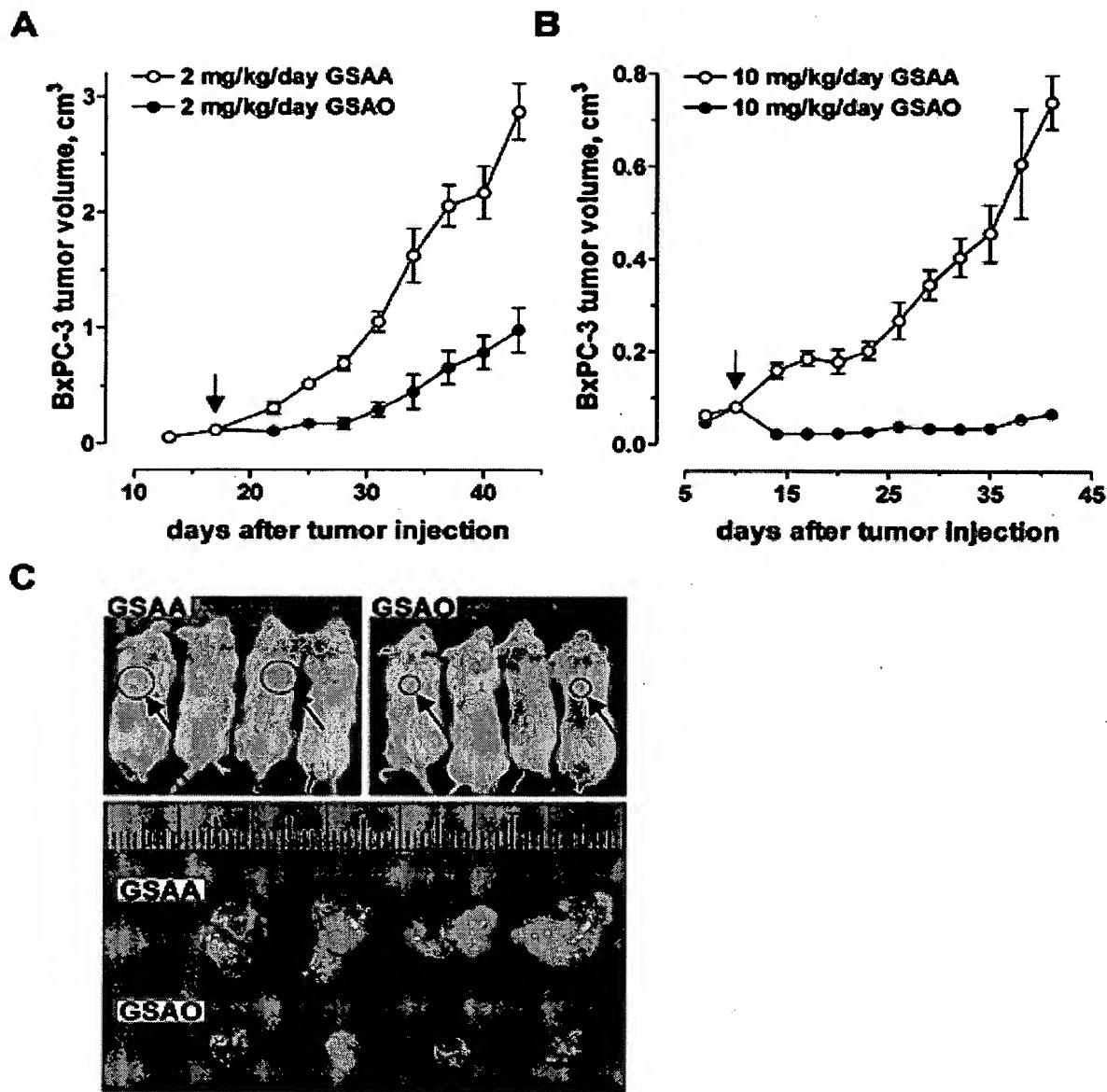


FIGURE 23

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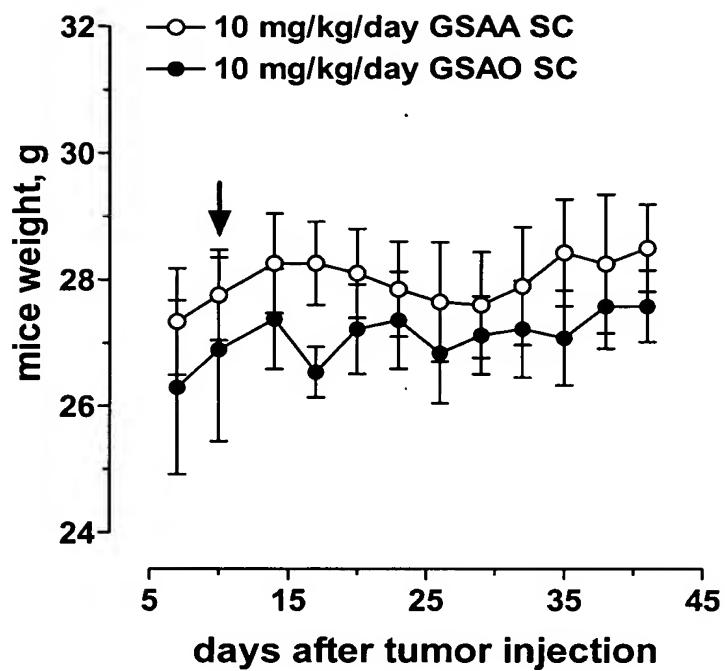
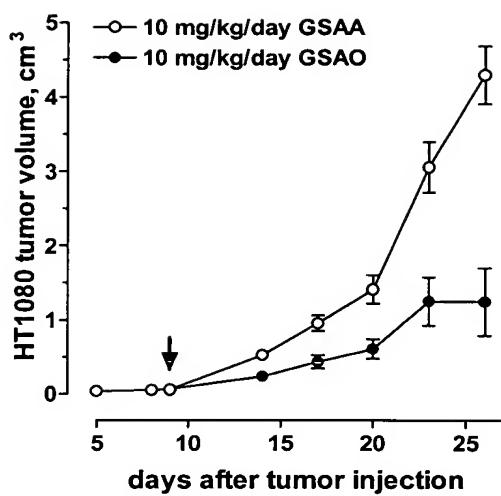
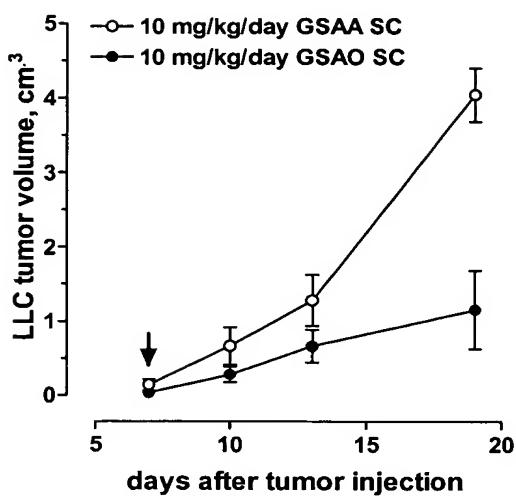
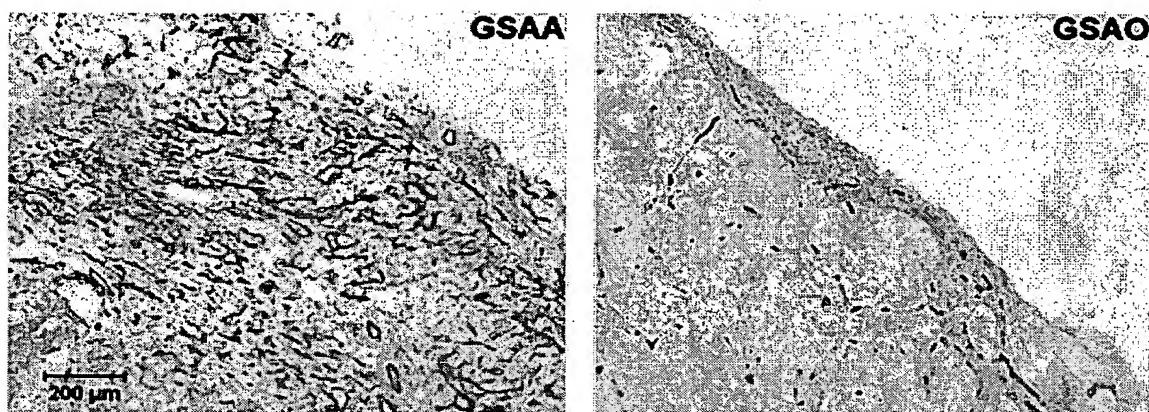
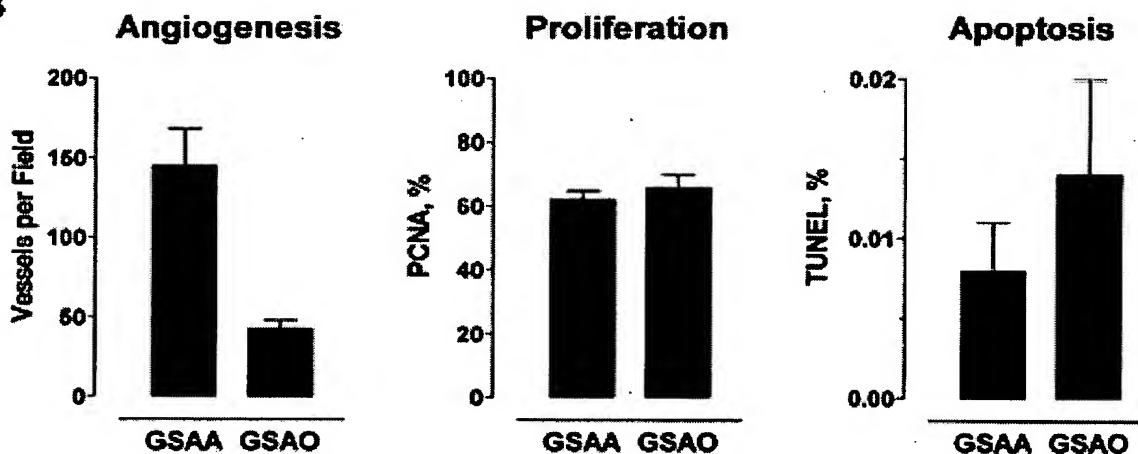


FIGURE 24

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A**B****FIGURE 25**

A**B****FIGURE 26**

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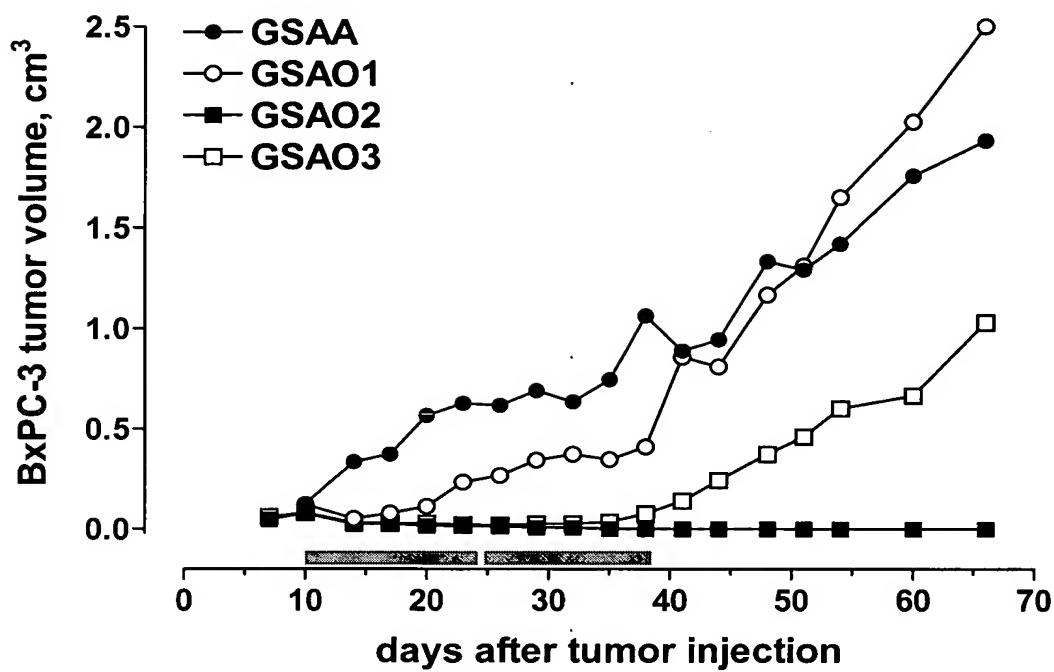


FIGURE 27

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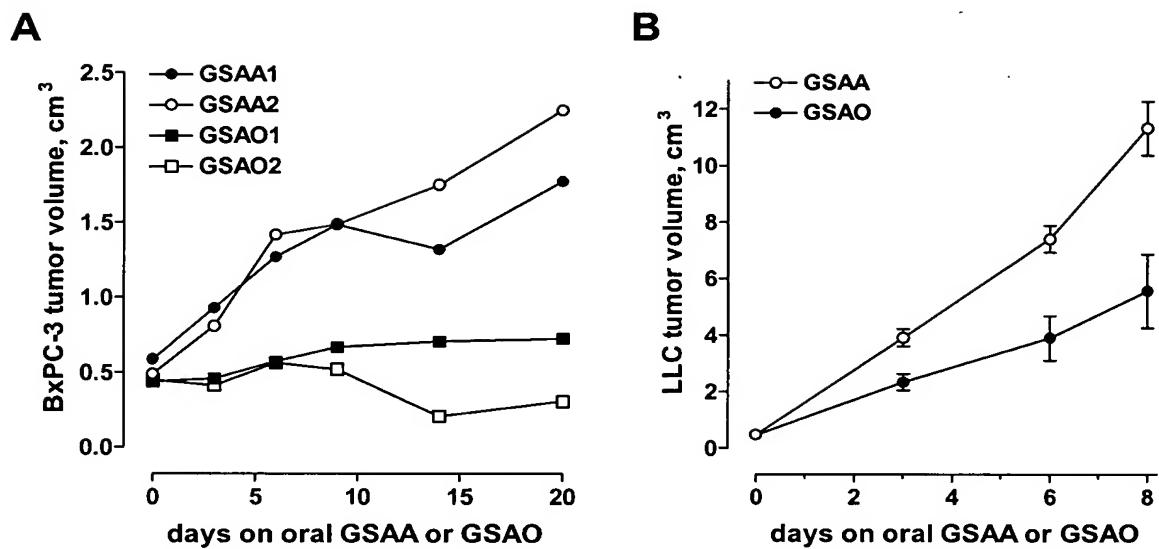
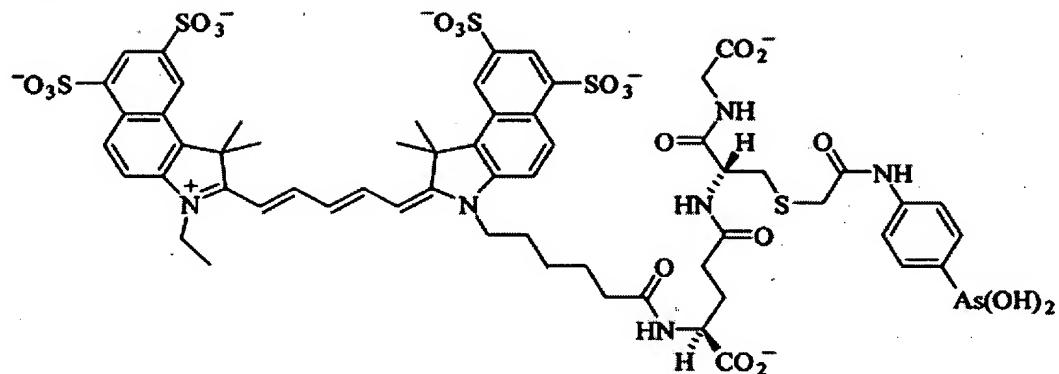


FIGURE 28

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A



GSAO-Cy5.5

B

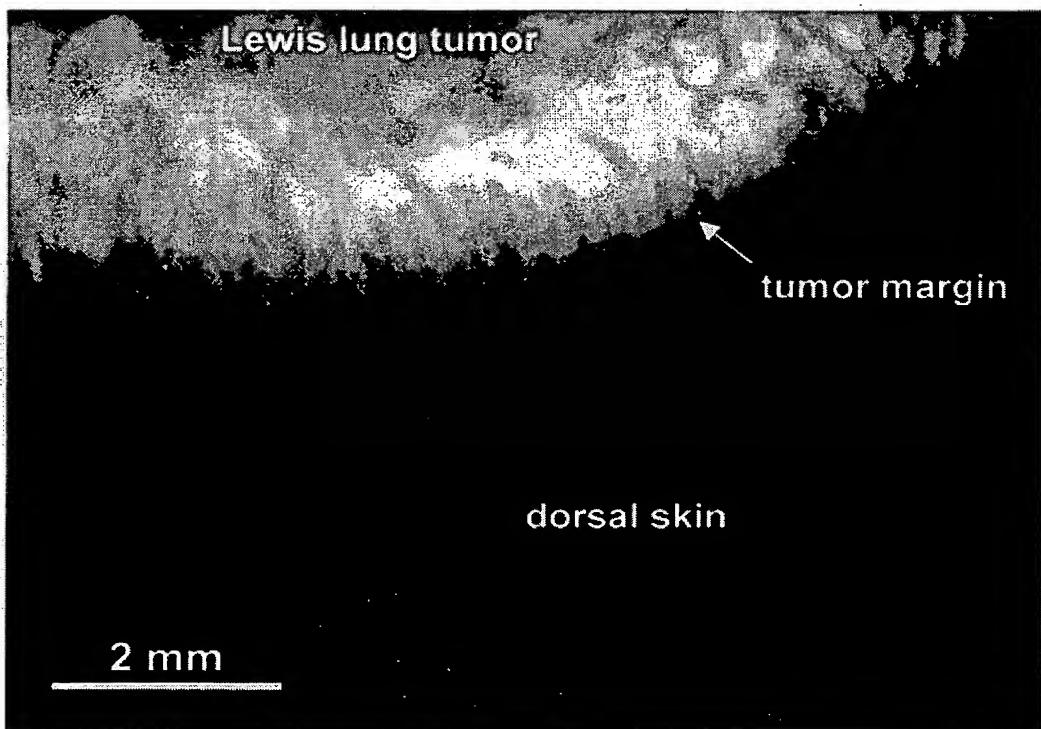


FIGURE 29

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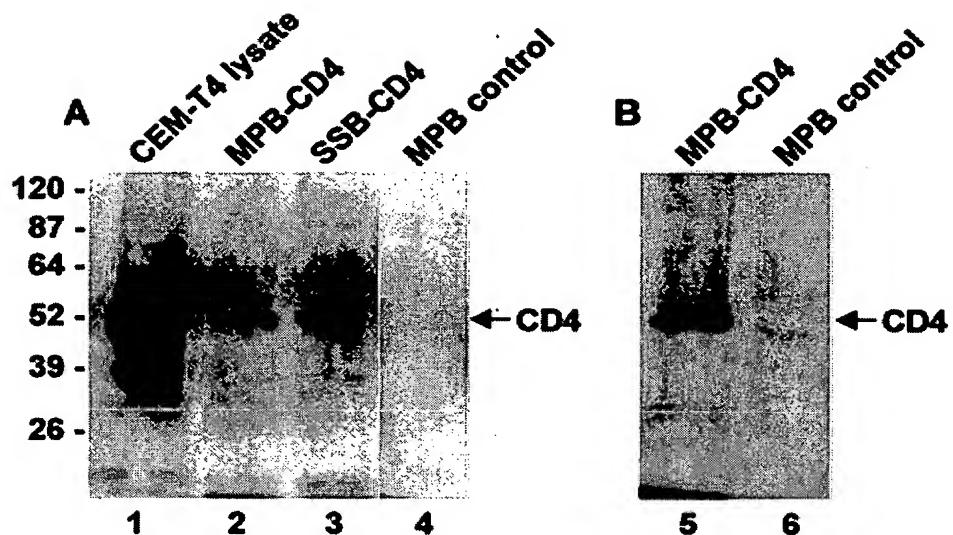


FIGURE 30

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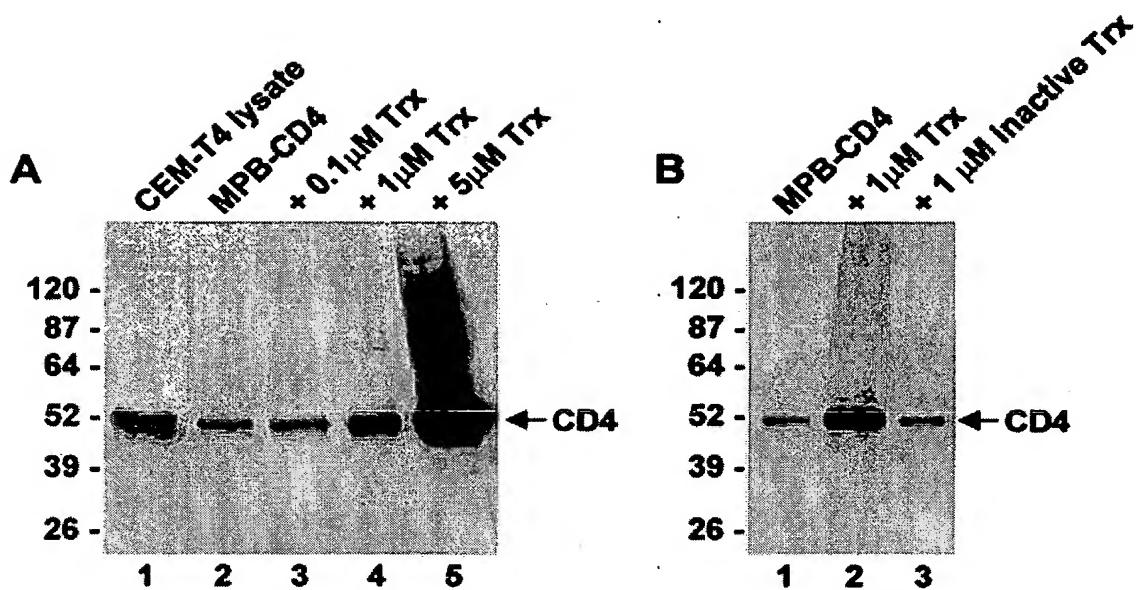


FIGURE 31

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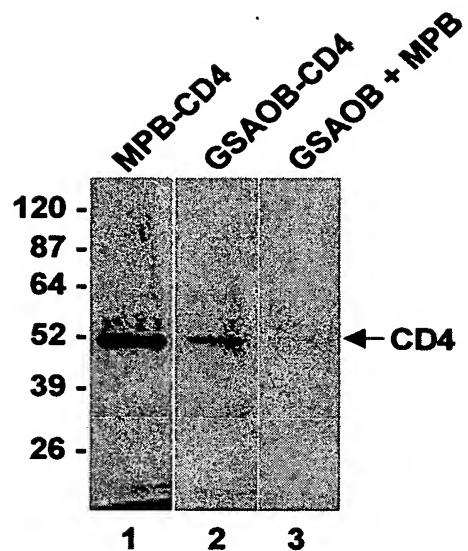


FIGURE 32

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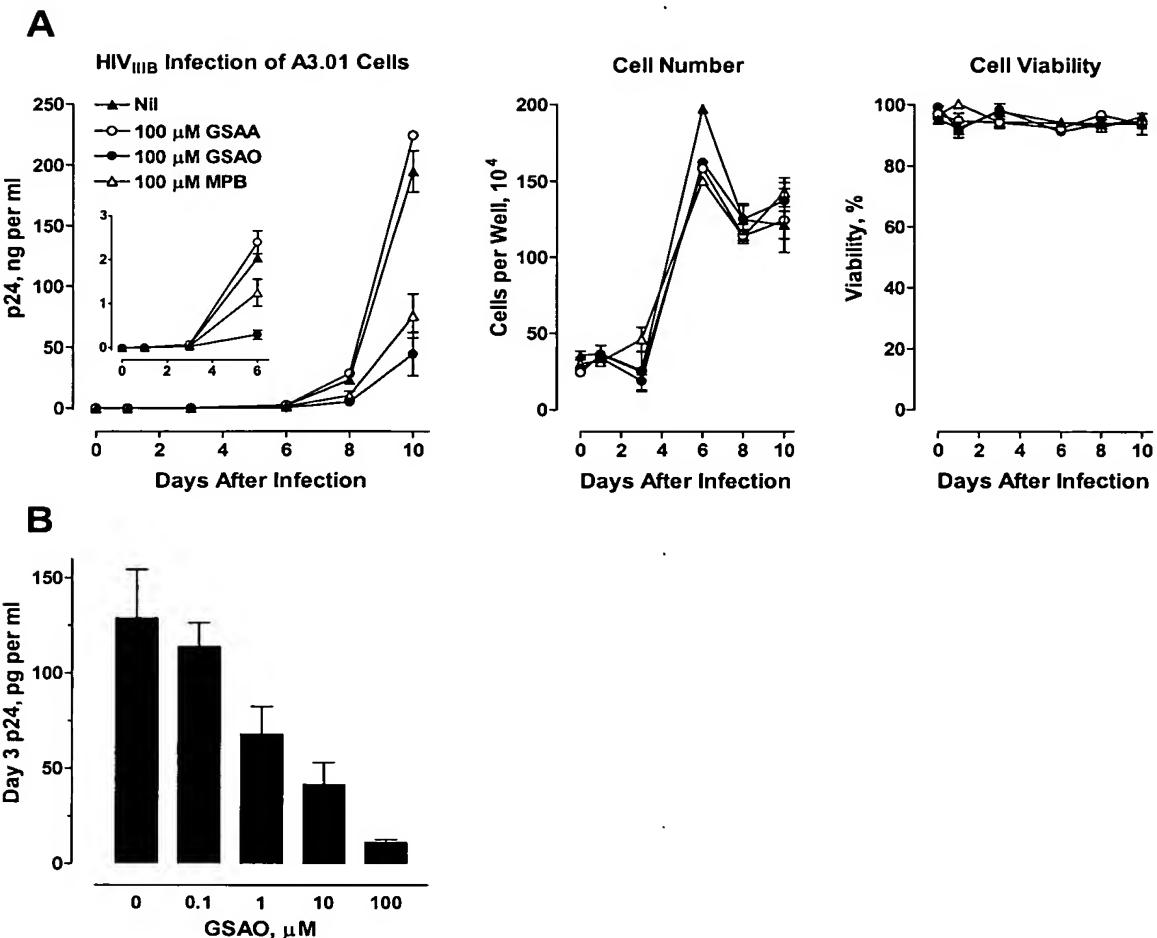
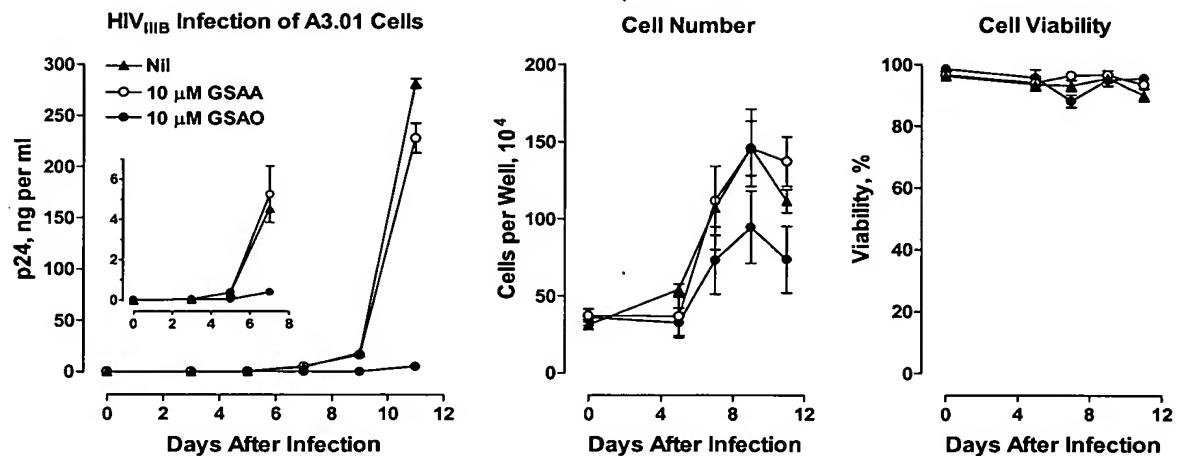


FIGURE 33

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**FIGURE 34**

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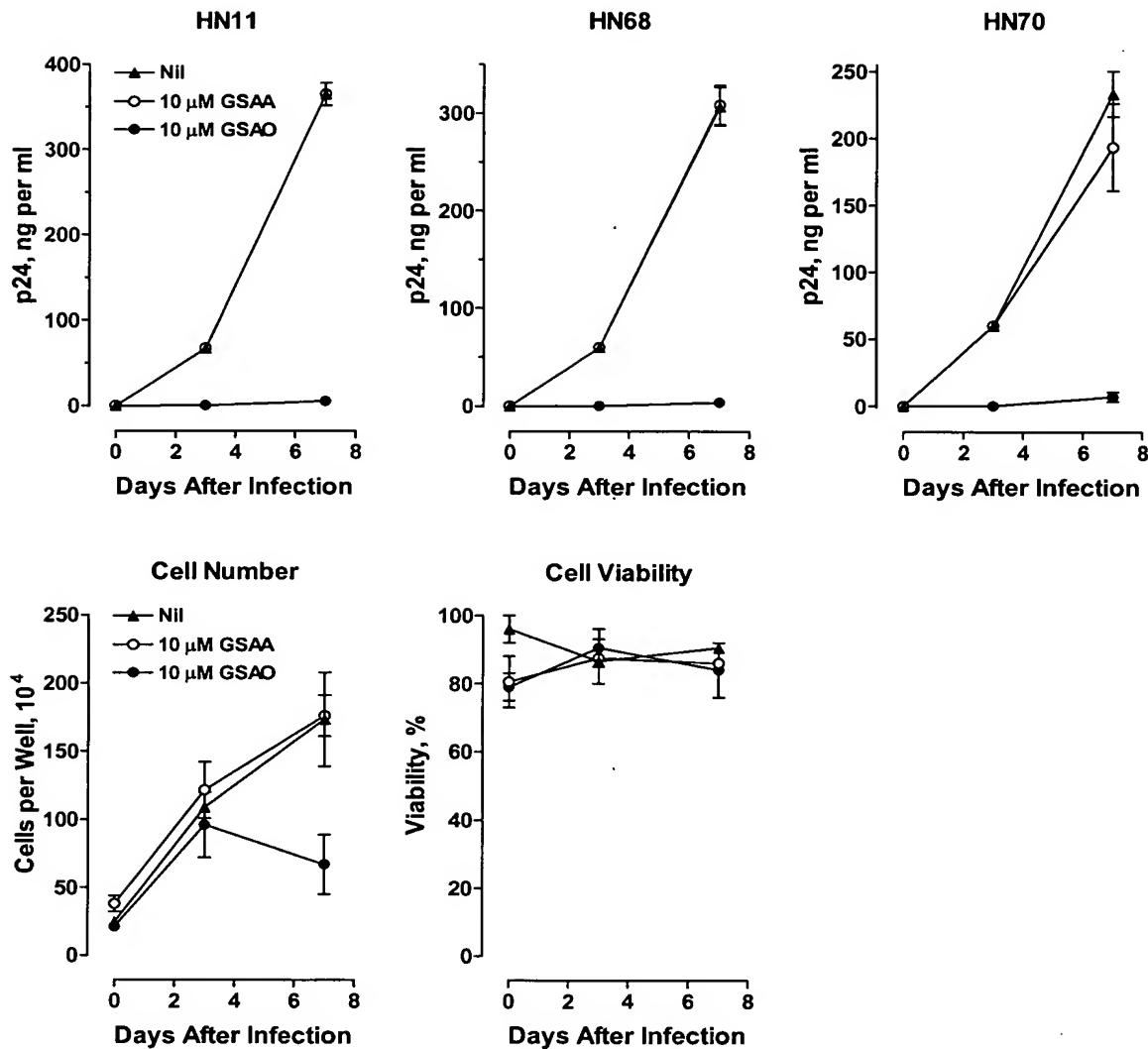


FIGURE 35